

## 1 Procedure:

### Note

- ◆ A competent workshop should install the original DVD navigation system. Special tools and the accompanying literature specific to the car are required for fitting it. Incorrect installation can result in damage to the car or the DVD navigation system.
- ◆ The DVD navigation system is intended for installation in the boot of the Audi A6 2004 ► with infotainment rack (vehicles with MMI system).
- ◆ When the original DVD navigation system is fitted, the MMI system must be coded for operation with it, using the vehicle diagnosis, measurement and information system VAS 5051 A or the vehicle diagnosis and service information system VAS 5052. The vehicle diagnosis system must be used to co-ordinate the vehicle product numbers in the central database, in order to avoid problems with software versions later on. Please use the function 050 010.
- ◆ The work to be performed described in these fitting instructions may change due to model servicing schedules. For example, changes to the wiring colours or even the fitting sites should not be discounted. For this reason, always consult the relevant up-to-date wiring diagram or the current vehicle repair manual.

### 1.1 Installing the components

- Switch off all electrical equipment and the ignition, and remove the ignition key from the ignition.
- Open the boot and remove the boot carpet from the vehicle.

### Note

*in vehicles with a ski-flap, the boot carpet must be unclipped from the loading ramp.*

#### Page 1 - figure 1

- On vehicles with lashing eyes -2- unscrew the fixing screws -1- and remove the lashing eyes -2- from the vehicle.

#### Page 2 - figure 1

- Release the fixing nuts -1- on the tailgate trim.
- Working upwards, unclip the 4 clips on the tailgate trim from the vehicle lock carrier
- Remove the tailgate trim from the vehicle.
- In vehicles with a ski-flap, fold the seat backrest down.

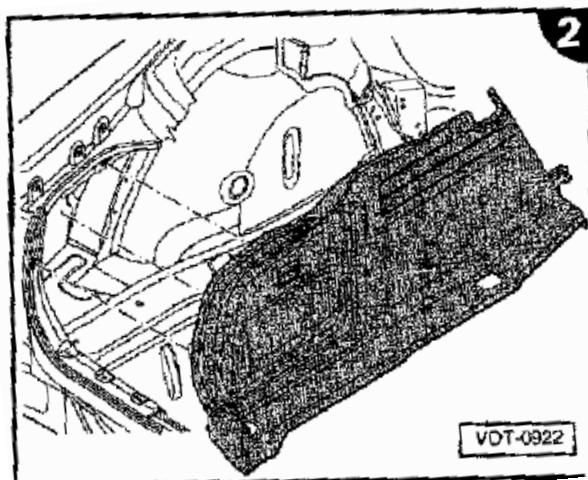
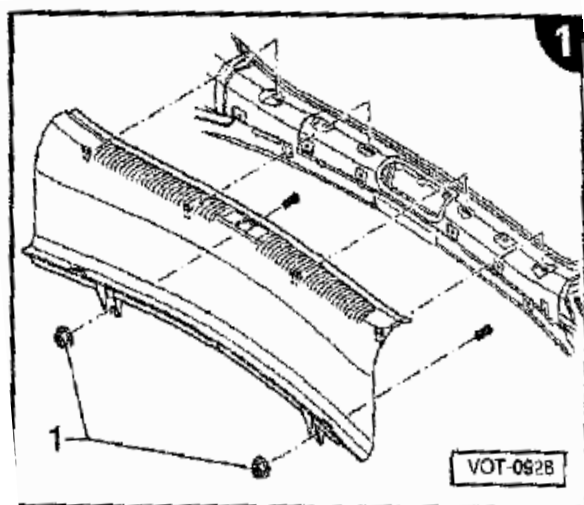
#### Page 2 - figure 2

- Unclip the side trim on the left and remove it from the vehicle.

#### **Vehicles with towhook only:**

- Remove the right hand side trim from the vehicle.
- ⇒ Interior bodywork fitting; Repair Group 70; door trims

#### **Continued for all vehicles:**



**Page 2 - figure 3**

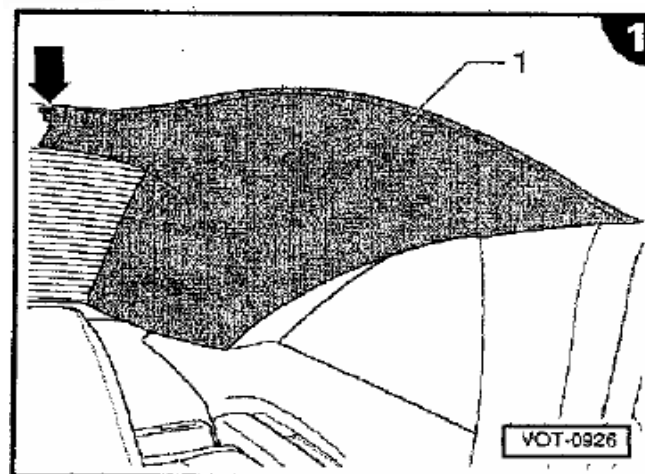
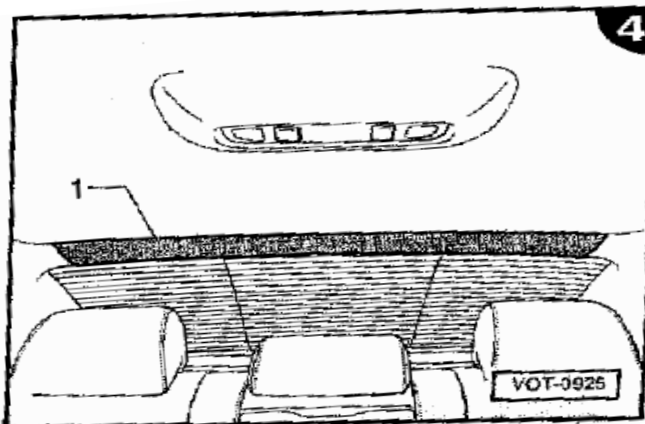
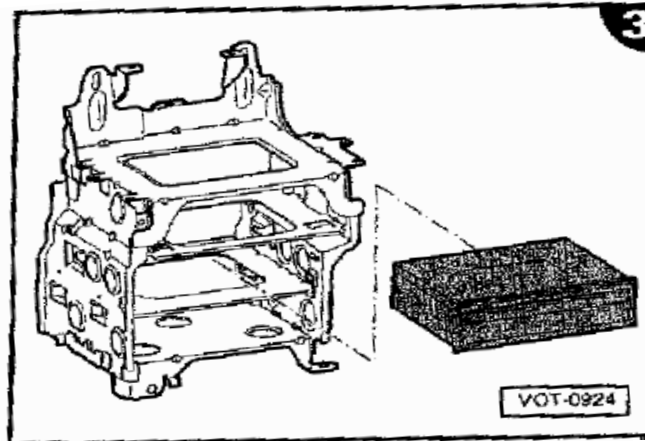
- Push the DVD navigation system into the central slot of the infotainment rack until it clicks into place.

**Page 2 - figure 4**

- Unclip the end trim -1- of the roof lining and remove it from the vehicle.

**Page 3 - figure 1**

- Remove the fixing screw -arrow- on the left-hand C-pillar trim-1-.



- Unclip the left-hand C-pillar moulding -1- and remove it from the vehicle.

**Page 3 - figure 2**

- Degrease the fitting site (see illustration) on the GPS aerial with a suitable cleaning agent.

**Note**

- ◆ Due to the strength of the adhesive, it is not possible to dismantle the holder -1- without destroying it.
- ◆ When fitting the holder -1-, ensure that it is the right way up. The bevelled corner of the holder -arrow- must point downwards towards the third brakelight (as shown in the illustration).
- Pull the protective foil from the back of the holder -1- and stick the holder above the rear window next the third brake light.

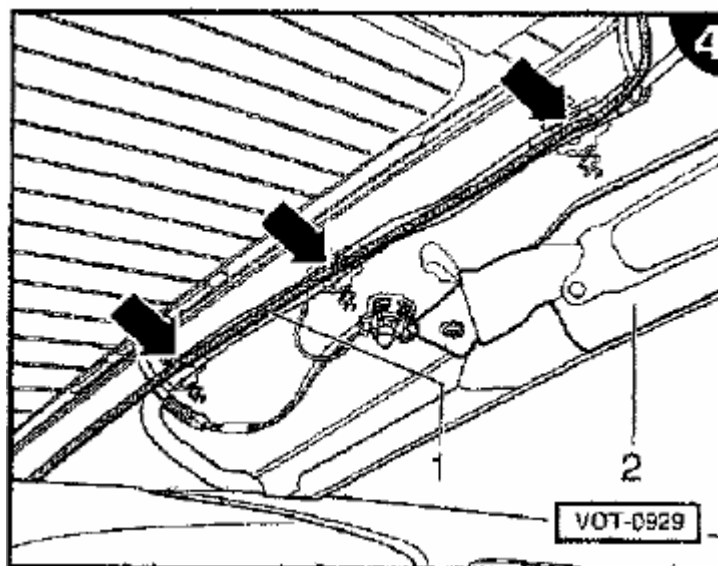
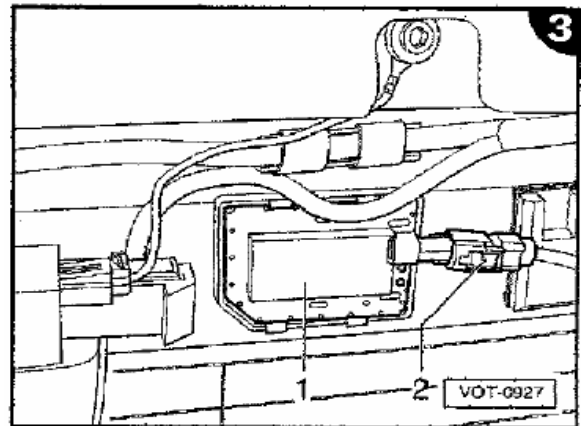
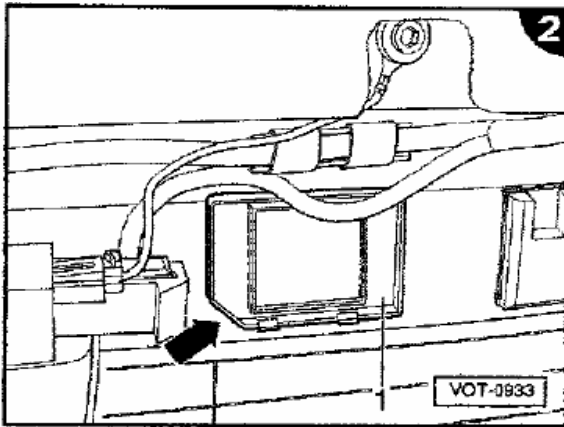
**Page 3 - figure 3**

- Clip the GPS aerial -1- into the holder.
- Connect the plug -2- on the HF cable supplied to the GPS aerial -1-.

**Page 3 - figure 4**

- Run the HF cable from the GPS aerial along the C-pillar in the boot to the infotainment rack.
- Secure the HF cable to the existing cable clips - arrows -.

**CAUTION!**  
To avoid interfering with the function of the head airbag, do not on any account run the cable close to it -2-.



## 1.2 Connect the wiring set power supply

### Page 4 - figure 1

- Unscrew the fixing screw -2- on the infotainment rack.
- Unscrew the fixing nuts -1-.
- Pull the infotainment rack forwards slightly to access the connections on the rear of the equipment.

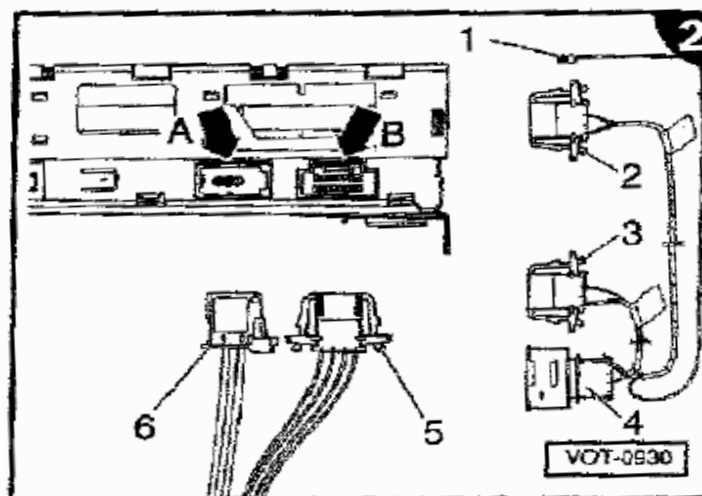
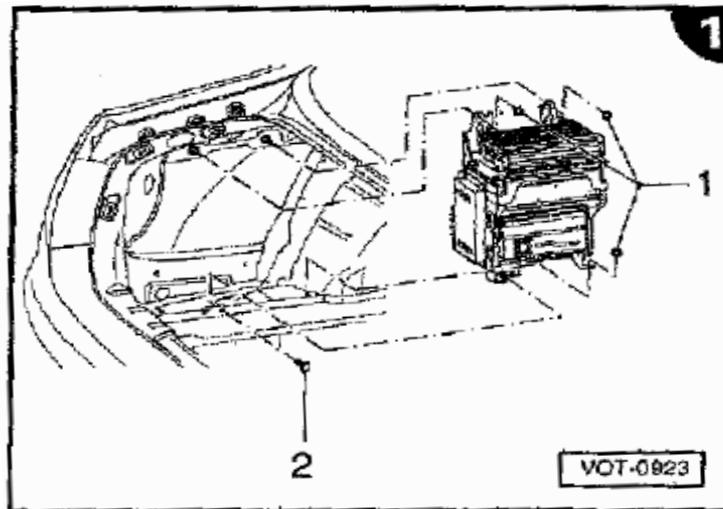
### Page 4 - figure 2



#### Note

To avoid confusion, the multipoint connectors -2- and -3- on the wiring set are tagged with small labels: "K-box" or "DVD navigation".

- Release the multipoint connector -5- and pull it out of the connector socket -arrow B- on the K-box (above the DVD navigation system).
- Lock the multipoint connector -5- in position in the socket -4- of the wiring set supplied.
- Push the multipoint connector -3- of the wiring set into the connection socket -arrow B- of the K-box until you hear it engage.
- Run the multipoint connector -2- from the wiring set to the DVD navigation system.



### Page 4 - figure 3

#### Note

For reasons of clarity, the figure shows a dismantled DVD navigation system.

- Connect the plug -1- on the HF cable to the DVD navigation system.
- Push the unconnected multipoint connector -2- from the wiring set into the connection socket of the DVD navigation system until you hear it engage.

### Page 4 - figure 4

- Run the unconnected single core cable (cf. page 4, figure 2, -1-) from the wiring set along the rear cross panel to the E-box fitted on the right in the boot.
- Secure the single core cable to the existing wiring with cable ties -arrows-.

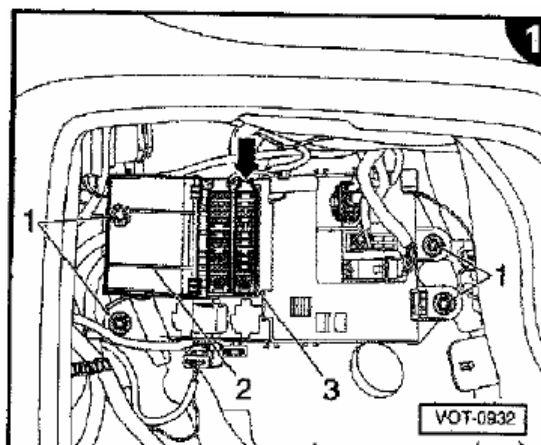
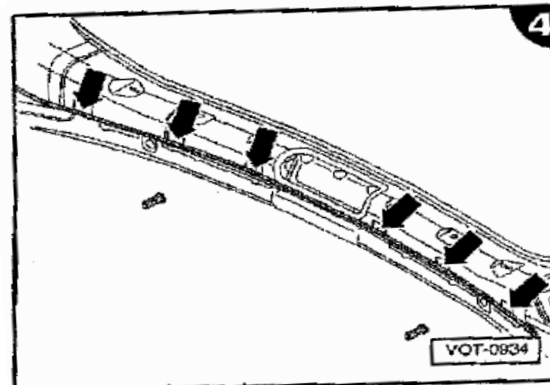
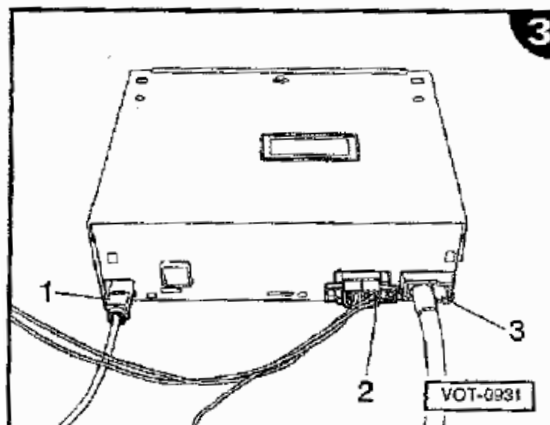
#### Vehicles with towhook only:

- Remove the towing sensor control unit
- ⇒ Electrical system; Repair Group 97; cables; control units

#### Continued for all vehicles:

### Page 5 - figure 1

- Unscrew the fixing nuts -1- on the E-box.
- Pull the E-box off the mounting bracket.
- Open the cover -2- on the fuse holder on the E-box.
- Release -arrow- the right-hand fuse holder -3- and press it backwards out of the E-box.



**Page 5 - figure 2**

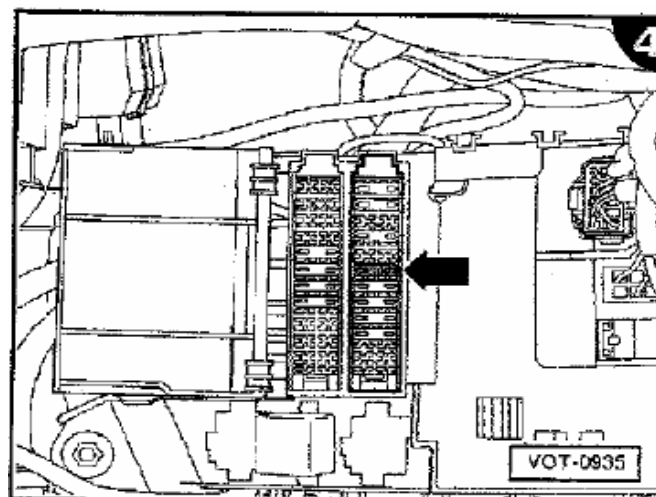
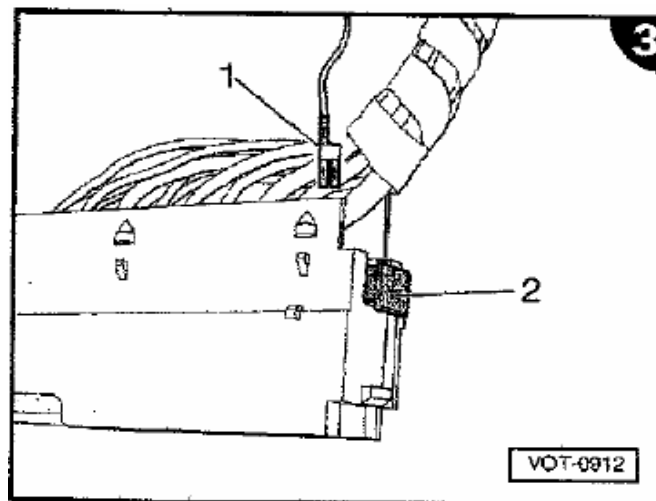
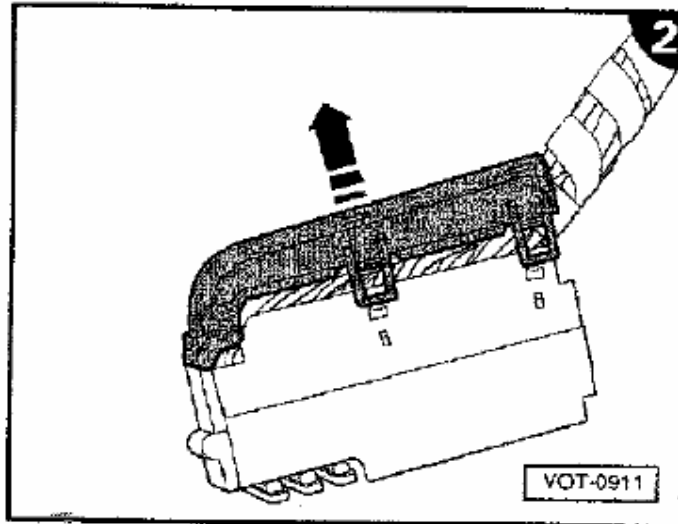
- Unclip the cover of the fuse holder -arrow-.

**Page 5 - figure 3**

- Pull the safety latch -2- out of the fuse holder to the first stop.
- Insert the contact -1- on the red/brown cable from the wiring set into the seventh chamber (counting from the bottom) of the fuse holder.
- Press the safety latch -2- back into the fuse holder and fit the cover on the fuse holder (see page 5, figure 2).
- Fit the fuse holder in reverse order (see page 5, figure 1).

**Page 5 - figure 4**

- Plug the brown 5A flat fuse supplied with the wiring set into the 7th slot (counting from the bottom) in the fuse holder -arrow-.



### 1.3 Connecting the fibre optics set

#### Page 6 - figure 1

##### Note

Fibre optic cables must be handled carefully and must not be bent or their function will be impaired. Bent cables must be replaced.

- Release the fibre optic cable module -6- and pull it out of the connection socket -arrow A- of the K-box (above the DVD navigation system).

##### Note

There are two different fibre optic cable modules installed in the vehicle and in the wiring set. They are different in design. Please note the work flow for each one.

#### 1-part fibre optic cable module:

#### Page 6 - figure 2

- Press the coloured locking pin -2- down out of the plug housing -1-.

##### Note

Fibre optic cable "output" 3 must be removed in the following step. You will recognise it by the arrow stamped on the rear of the plug housing -1-.

- Carefully lift the clip tab -arrow- with a screwdriver slightly and pull the fibre optic cable -3- out of the plug housing -1-.

#### 2-part fibre optic cable module:

#### Page 6 - figure 3

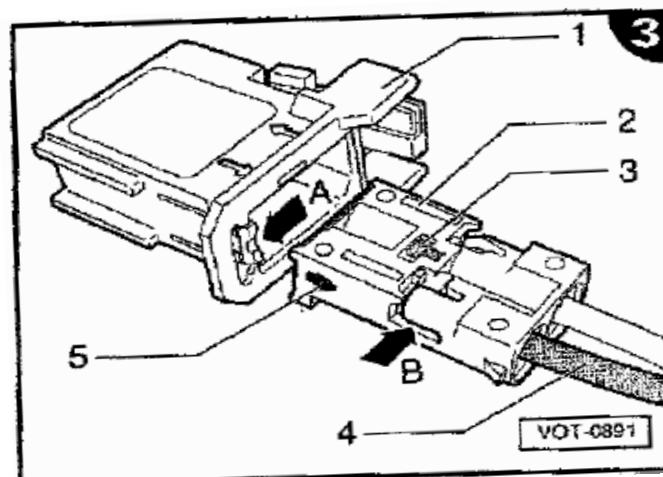
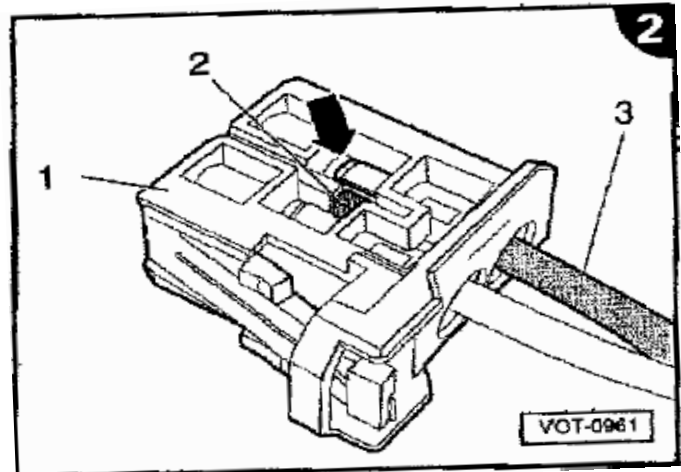
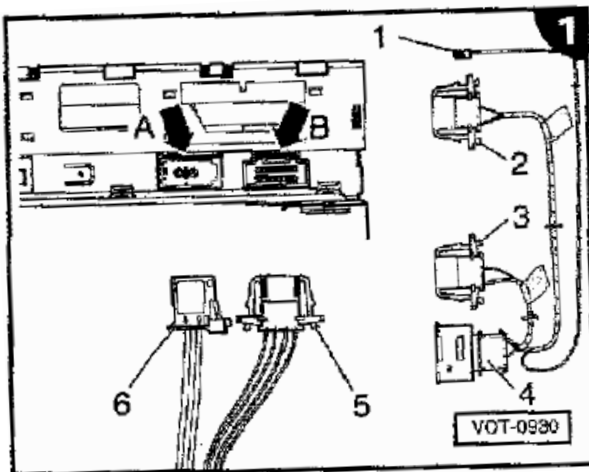
- Release -arrow A- the fibre optic cable module -1- and pull the plug housing -2- out.
- Press the coloured locking pin -3- down out of the plug housing -2-.

##### Note

Fibre optic cable "output" 4 must be removed in the following step. You will recognise it by the arrow -5- stamped on the plug housing -2-.

- Carefully lift the clip tab -arrow B- with a screwdriver slightly and pull the fibre optic cable -4- out of the plug housing -2-.

#### Continued for all fibre optic cable moduls:



 **Note**

- ◆ Before fitting the fibre optic cables, remove the protective caps from the connection plugs -3- and -5- and the fibre optic module -4-.
- ◆ The illustration shows the fibre optic cable module in the 2-part version. The fibre optic cable modules -4- and -7- are also available as 1-part models (page 6, figure 2).
- ◆ The fibre optic cable with the connector -1- or the plug housing -6-, the locking pin -8- and the fibre optic cable module -7- are part of the vehicle wiring harness.
- ◆ The fibre optic cable module -4- shown in the illustration with the connection plugs -3- and -5- and the coupling -2- are part of the wiring set.
- ◆ In the following configuration of fibre optic cables note the direction arrows stamped into the plug housing -4- and -7-.

- Release and open the coupling -2- from the materials supplied.
- Insert the connector -1- of the fibre optic cable removed previously (see page 6) into the open coupling -2-.
- Insert the connector -3- into the coupling -2- and close the coupling.
- Push the connector -5- into the free socket of the plug housing -6- until you hear it engage.
- Press the coloured locking pin -8- into the plug housing -6- from below (see page 6).
- Insert the plug housing -6- in the fibre optic cable module -7- (see page 6).
- Push the fibre optic cable module -7- into the connection socket of the K-box (see page 6) until you hear it engage.
- Push the fibre optic cable module -4- into the connection socket of the DVD navigation (see page 4, figure 3, -3-) until you hear it engage.

**1.4 Final fitting and coding**

- Refit the infotainment rack and all the trims etc in reverse order.
- Connect the vehicle diagnosis, measuring and information system VAS 5051 A or the vehicle diagnosis and service information system VAS 5052 to the vehicle.
- ⇒ System instruction manual or the repair manual for the vehicle
- Code the MMI system for operation with the DVD navigation system as follows using the vehicle diagnosis, measuring and information system VAS 5051 A or the vehicle diagnosis and service information system VAS 5052.
  - 19 - select the databus diagnostic interface
  - read/write long code
  - 37 - select navigation "coded"
  - Save the code
  - 37 - select navigation
  - 10 - select tuning
- Select tuning channel 01 and enter tyre diameter in mm according to the table

Tyre size	Tyre diameter [mm]
205/60 R16	1990
225/55 R16	1995
225/50 R17	2005
245/45 R17	1990
245/40 R18	1990
255/40 R18	2015
255/35 R19	2015
225/650 R 460	1983
235/660 R 460	2013

- Select tuning channel 02 and code pulse value 96
- Query fault memory for the vehicle and delete it if necessary
- Disconnect the vehicle diagnosis, measuring and information system VAS 5051 A or the vehicle diagnosis and service information system VAS 5052.
- Switch on the ignition and check the MMI system and the DVD navigation system is functioning; the display shows the following:

*Navigation system is not calibrated. Please drive the car to carry out calibration.*

- Drive the car in an area where there is little GPS signal shadowing (outside, but not under trees or between high buildings).
- Insert a navigation DVD.
- Press the "Map" softkey and wait until the navigation map appears on the display.
- Select the destination country and city and wait until the menu appears.
- Enter a destination and select "Start directions to destination"
- Take a short test drive to calibrate the DVD navigation system.

The system should issue the acoustic message "Finding route" after a short time.  
The DVD navigation system is working correctly when the route directions start at the beginning of the journey.

- On your return to the workshop, reconnect the the vehicle diagnosis, measuring and information system VAS 5051 A or the vehicle diagnosis and service information system VAS 5052 to the vehicle.
- Inspect the vehicle's fault memory.
- Following the inspection, co-ordinate the components installed with your tester. To update the vehicle database, use function 050 010.

On successful completion of the function, the vehicle is stored in the database at Audi with the updated function.